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1965

Curricular Affairs Committee, 25th Report (addendum), new courses in Computer Science under academic jurisdiction of the CCA

University of Rhode Island Faculty Senate

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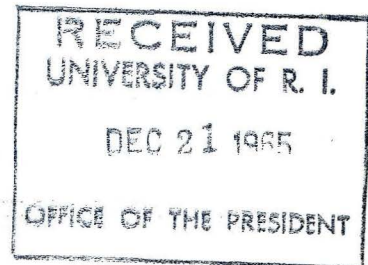
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UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILLAdopted by the Faculty Senate

TO: President Francis H. Horn

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled Curricular Affairs Committee, 25th Report
(addendum), new courses in Computer Science under academic jurisdiction
of the CCA,
is forwarded for your consideration.
2. The original and two copies for your use are included.
3. This BILL was adopted by vote of the Faculty Senate on Dec. 16, 1965
(date).
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Trustees, completing the appropriate endorsement below.
5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on Jan. 6, 1966 (date), three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Trustees for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Trustees, it will not become effective until approved by the Board.

December 21, 1965
(date)

Elizabeth W. Randall /s/
Chairman of the Faculty Senate

ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.
2. Approved X. Disapproved _____.
3. (If approved) In my opinion, transmittal to the Board of Trustees is not necessary.

Dec 28, 1965
(date)

Francis H. Horn /s/
President

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Trustees.

FROM: The University President

1. Forwarded.

2. Approved.

_____/s/
(date) President

ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Trustees, via the University President.

1. Forwarded.

_____/s/
(date)

(Office)

ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

1. Forwarded from the Chairman of the Board of Trustees.

_____/s/
(date) President

Original received and forwarded to the Secretary of the Senate and Registrar
for filing in the Archives of the University.

Jan 3, 1966
(date)

Elizabeth W. Crandall /s/
Chairman of the Faculty Senate

2. Addendum to 25th report, Faculty Senate Committee on Curricular Affairs
(to be considered as noted in item 3.e of Agenda distributed on Dec. 9, 1965).

At its meeting on December 9, 1965, the Faculty Senate Committee on Curricular Affairs voted unanimously to approve the following new courses in Computer Science, to be under the academic jurisdiction of the Faculty Senate Committee on Curricular Affairs, with this arrangement to be reviewed within two years:

Comp. Sci. 100 Introduction to Digital Computers Semester I or II, 3 credits

Logical structure and components, number systems, machine language. Programming systems, assemblers, compilers, monitors. Problem solving, algorithms, flow charts, subroutines, diagnostic methods, iterative concepts. Students will prepare computer programs using a problem oriented language (such as FORTRAN). (Lec. 3) Prerequisite: 6 credit hours in mathematics or permission of the instructor

Comp. Sci. 191, 192 Problems in Computer Science Semester I and II,
1-3 credits each

Advanced work in Computer Science. Courses will be conducted as seminars or as supervised individual projects. (Lec. or Lab. arranged)

Comp. Sci. 200 Scientific Applications of Digital Computers Semester I, 3 credits

Algorithms, techniques, and practical procedures for digital computers related to well known applications of mathematics and statistics. Approximation methods, error analysis, Monte Carlo calculations, simulation, combinatorial problems. Examples using University computer. (Lec. 3) Prerequisite: Math 43 or equivalent, an introductory course in digital computers, and permission of the instructor.

Comp. Sci. 251 Scientific Applications of Digital Computers Semester II, 3 credits

A continuation of Computer Science 200. Matrix calculations, least squares analysis, multiple regression, stepwise regression, non-linear estimation. Characteristic value problems, principal component analysis, factor analysis. Analysis of variance and covariance computations. (Lec. 3) Prerequisite: Math 171 or equivalent, an introductory course in digital computers, and permission of the instructor.